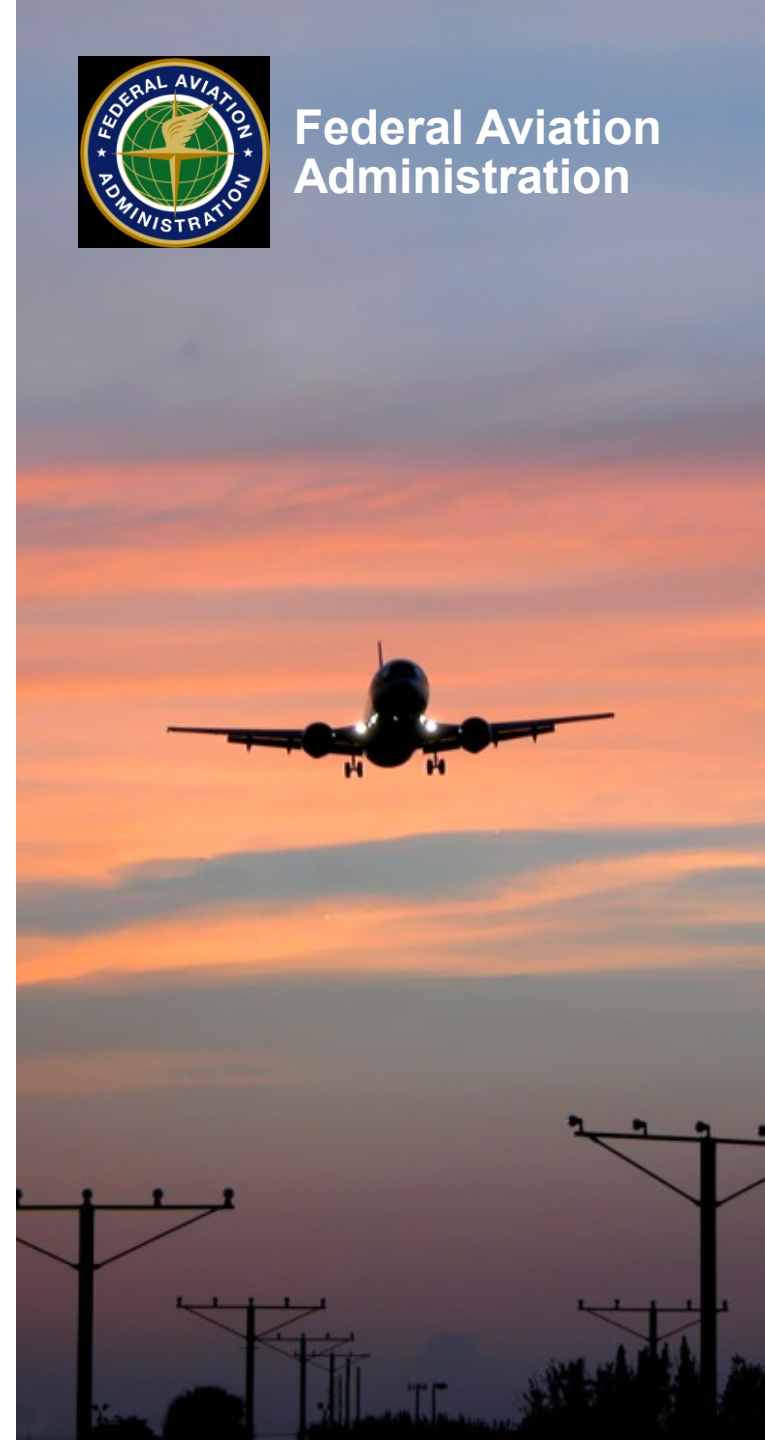# NTSB Safety Forum

Federal Aviation Administration

General Aviation Safety:
Climbing to the Next Level

Presented to: Members of the Board and Staff

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Date: June 20, 2012

NTSB Safety Forum

What are we doing to make GA safer?

- Regulations
  - New Part 145 addresses a longstanding NTSB recommendation

- Policy/Guidance Updates
  - Field Approvals
    » Challenges in GA Airworthiness with new technologies

- Education

- Service Difficulty Reporting Database

Rulemaking

Part 145 - Repair Stations

- Published NPRM in Federal Register on May 21, 2012

- Responds to NTSB recommendation
  - Able to "disallow" an applicant for a repair station certificate

  - Will ensure that those involved in past safety violations are not able to return to the

Policy/Guidance Updates

Revision to Field Approval Process.

- **Replace 8900.1, Volume 4, Chapter 9, Section 1**
  - Establishes a joint AFS / AIR Major Alteration order.
  - AFS-300 and AIR-100 policy divisions are leading effort.

- **New Major Repair/Alteration Job Aid in place of the Figure 4-68 Hosted on AFS-300 website**
  - Will link from FSIMS
  - Can be update quickly
  - Provides expanded discussion of technical considerations for specific alterations
  - Uses hyperlinks to other supporting documents such as ACs, checklists, and decision trees.

Education

- Implementing Part 147 ARAC Recommendations

- Seminars on #1 Maintenance Challenge, failure to follow procedures or instructions

- FAAST Team Education and Training to GA Maintenance Community

Education

- **Pilot Program for Distance Learning**

    – Three aviation maintenance schools will use distance learning in their curriculum starting this year

New Service Difficulty Reporting Database

- **When fully developed, new SDR system will be a database for info-sharing and feedback on solutions to aircraft problems**

    - FAA will moderate, aircraft users (owners, pilots, mechanics, etc..) will populate database, comment, and provide feedback on problems and solutions
    - Users will be able to network information thru pictures, video and upload documents
        - May be uploaded from computer, cell phone, camera or videocam
        - Real-time exchange of information

- **Goal: Reduce GA accident rate by facilitating better information exchange between industry and user communities**

SDR Database

Safety Benefits -

- **Safety Analysis by type of aircraft and part**
  - Get data back to manufacturers on maintenance of parts
  - Get info out to users – instant response and direction to additional information
- **Engages public connecting problems with solutions**
- **Function as a virtual "type" club so users will know all aspects of their aircraft**

Questions

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